

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Original): A security paper comprising at least two fibrous paper plies, the first ply being an external ply that includes at least one authentication element and the other ply, said second ply, comprising:

- a reinforcing element substantially absent from the first ply, said reinforcing element being chosen from materials that improve the mechanical strength; and/or
- another authentication element and the authentication element of said first ply being absent from the second ply.

2. (Currently amended): The security paper as claimed in ~~the preceding claim,~~
~~characterized in that~~ claim 1, wherein said reinforcing element is chosen from synthetic fibers, especially polyester or polyamide fibers, natural textile fibers, especially abaca, hemp, flax, Chinook fibers, and mixtures thereof.

3. (Currently amended): The security paper as claimed in claim 2, ~~characterized in that~~
wherein said polyester fibers are polyethylene terephthalate fibers, in particular they are present in an amount of between 10 and 20 parts by dry weight per 100 parts of the other fibers of said second ply.

4. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that~~ claim 1, wherein said authentication element of said first ply, and where appropriate that of said second ply, can be detected optically.

5. (Currently amended): The security paper as claimed in claim 4, ~~characterized in that~~
wherein said authentication element is chosen from watermarks, iridescent particles, luminescent, in particular fluorescent or phosphorescent, fibers or particles, colored or thermochromic fibers or

particles, in particular said particles are flakes.

6. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that~~ claim 1, wherein said authentication element of one of the plies reacts to
certain stimulations, giving a specific signal that can be detected using a suitable apparatus.

7. (Currently amended): The security paper as claimed in claim 6, ~~characterized in that~~
wherein said element is chosen from substances that react to electromagnetic fields, ~~in particular~~
~~of the microwave type.~~

8. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that~~ claim 1, wherein said external first ply includes a watermark as authentication
element and has a thickness substantially greater than that of said second ply or of the other plies;
~~preferably about 1.5 to 2 times greater.~~

9. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that~~ claim 1, wherein said reinforcing element also has an authentication function.

10. (Currently amended): The security paper as claimed in claim 9, ~~characterized in that~~
wherein said reinforcing element constitutes the authentication element of said second ply.

11. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that~~ claim 1, wherein said second ply includes said reinforcing element and in that
said paper has a tear index of 10 mN.m²/g or higher.

12. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that~~ claim 1, wherein the plies are based on cotton fibers.

13. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that it~~ claim 1, which comprises three fibrous plies, said external first ply having
an authentication element, said second ply being central and having said reinforcing element, and
the third ply being another external ply having an authentication element that may be different from
that of said first ply.

14. (Currently amended): The security paper as claimed in ~~one of the preceding claims,~~
~~characterized in that it~~ claim 1, which is a banknote paper.

15. (Currently amended): A process for manufacturing a security paper as claimed in ~~one~~
~~of the preceding claims, characterized in that~~ claim 1, wherein said plies are assembled wet.

16. (Currently amended): The process for manufacturing a security paper as claimed in ~~the~~
~~preceding claim, characterized in that~~ claim 15, wherein said external first ply includes a
watermark and is formed on a cylinder-mold machine that includes a watermark wire.

17. (New): The security paper as claimed in claim 7, wherein said element is chosen from
substances that react to electromagnetic fields of the microwave type.

18. (New): The security paper as claimed in claim 8, wherein said external first ply has a
thickness about 1.5 to 2 times greater than that of said second ply or of the other plies.